

MITYUNIN, N.K., starshiy nauchnyy sotrudnik (Leningrad K-17, prospekt Engel'sa, d.53, kv.15); D'YACHENKO, P.K., kand. med. nauk; FROLOV, G.M., mladshiy nauchnyy sotrudnik

Preservation of the extremity after crushing of the hip. Ortop., travm. i protez. 26 no.3:46-48 Mr '65. (MIRA 18:7)

1. Iz travmatologicheskoy kliniki (rukovoditel' - N.K.Mityunin) Leningradskogo instituta skoroy pomoshchi imeni Dzhanelidze (dir. - prof. G.D.Shushkov).

BAZHENOVA, K.M., dots.; VOL'FOVSKAYA, R.N., dots.; GARVIN,
Leonid Iosifovich, dots.; KALASHNIKOV, B.P., prof.;
K'YANDSKIY, A.A., prof.; LEVIN, G.Z., prof.; LOPOTKO,
I.A., prof.; PARIYSKAYA, T.V., kand. med. nauk;
ROZHDESTVENSKIY, V.I., doktor med. nauk; ROMANOVSKAYA, V.K.;
TUR, A.F., prof.; KHVILIVITSKIY, T.Ya., prof.; KHROMOV, B.M.,
prof.; SHRAYBER, M.G., prof.; D'YACHENKO, P.K., red.

[Manual for the physician on emergency and first aid] Spra-
vochnik vracha skoroi i neotlozhnoi pomoshchi. Izd.2., ispr.
i dop. Leningrad, Meditsina, 1965. 355 p. (MIRA 18:4)

Country : USSR F
Category : Microbiology - Sanitation - Microbiology
Abs. Jour : Vestnik - Biol., No.19, 1968, 850-86
Author : Gilyachenko, P.M.
Institut. : _____
Title : The Ring Reaction of Milk of Cows (with the Anti-
gen of the Gen. MIV) for Brucellosis
Orig. Pub. : Sov. Zooloogich. Zhurnal, 1968, No.1, 51-57
Abstract : no abstract

Card: 1,1

D'YACHENKO, P.N.

Circular reaction of cow's milk (with antigen from the Leningrad Scientific Research Veterinary Institute) for brucellosis. Sov. zdrav.Kirg. no.1:54-57 Ja-F '58. (MIRA 13:7)

1. Iz kafedry obshchey gigiyeny (i.o. zav. - dotsent G.A. Gud-zovskiy) Kirgizskogo gosmedinstituta i otdela Kirgizskogo res-publikanskoy sanepidstantsii (zav. - A.N. Borodin).
(BRUCELOSIS) (MILK--BACTERIOLOGY)

D'YACHENKO, P.N.

Sanitary evidence regarding milk from cows vaccinated with strain no.19 on farms threatened by brucellosis. Sov. zdrav. Kir. no.1: 33-35 Ja-F '62. (MIRA 15:4)

1. Iz kafedry gigiyeny sanitarnogo fakul'teta (zav. - dotsent G.A. Gudzovskiy) Kirgizskogo gosudarstvennogo meditsinskogo instituta i otдела osobo opasnykh infektsiy Respublikanskoy sanitarno-epidemiologicheskoy stantsii (zav. - zasluzhennyy vrach respubliki A.N.Borodin) Ministerstva zdravookhraneniya Kirgizskoy SSR.
(MILK--ANALYSIS AND EXAMINATION) (BRUCELLOSIS)

D'YACHKOV, P.N.; ZHUKOV, A.V.; BUSHUYEVA, T.N.

Air-setting coatings of the linings of steel-pouring spouts. Biul.tekh.
-ekon.inform.Gos.nauch.-issl.inst.nauch,1 to 1964, no.7.3-5
Jl '64. (MIRA 17:10)

D.YACHENKO, P.P.; MIROSHNICHENKO, M.I.

Brucellosis poisoning of a family through the milk of a cow infected with the sheep type of Brucella and the role of human milk in the transmission of brucellosis infection. Sov. zdrav. Kir. no.1:51-52 Ja-F '63. (MIRA 16:3)

1. Iz otdela osobo opasnykh infektsiy Kirgizskoy respublikanskoy sanitarno-epidemiologicheskoy stantsii (zav. - zasluzhennyy vrach Kirgizskoy SSR A.N. Borodin). (BRUCELLOSIS)

D'YACHENKO, P.P.; KUZ'MINOV, B.D.; KUTSAYEVA, L.S.; SERGACHEV, A.I.;
UTYUZHNIKOV, A.N.

Correlation of the mass distribution of fission fragments with
the quantum characteristics of the nucleus at the saddle point.
Atom. energ. 15 no.3:246-247 S '63. (MIRA 16:10)

(Nuclear fission) (Quantum theory)

L 15529-63

EPR(n)-2/EPR(m)/EDS AFFTC/ASD/SSD Pu-4

ACCESSION NR: AP3005234

8/0056/63/045/002/0008/0012

65
63

AUTHORS: D'yachenko, P. P.; Kuz'minov, B. D.; Kutsayeva, L. S.; Okolovich, V. N.;
Smirenkin, G. N.; Utyuzhnikov, A. N.

TITLE: Kinetic energy of fragments produced in symmetric fission of U-235 /9

SOURCE: Zhurn. eksper. i teoret. fiz. v. 45, no. 2, 1963, 8-12

TOPIC TAGS: Fission, symmetric, kinetic energy, U-235, induced fission

ABSTRACT: The mean kinetic energy of the fragments produced in symmetrical U-235 fission induced by 7-, 14.5-, and 20-MeV neutrons has measured and found to be constant, within the limits of experimental error, just as in the case of a symmetrical fission. This refutes the hypothesis made by Selitskiy and Eysmont (Zh. eksp. i teoret. fiz. v. 43, 1005, 1962) that symmetric fission is a fast process. The hypothesis by Kovalenko, Petrzhak, and Adamov (Atomnaya energiya v. 13, 474, 1962) that symmetrical fission is of the subbarrier type is likewise refuted. The results are interpreted from the point of view that the two types of fission correspond to two barriers. "The authors are indebted to Prof. I. I. Bondarenko and to N. S. Rabotnov for a discussion of the results."

Card 1/41

L 28036-66 EWA(h)/EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP5027011

SOURCE CODE: UR/0120/65/000/005/0085/0088

AUTHOR: D'yachenko, P. P.; Kuz'minov, B. D.; Chukichev, M. V.

ORG: None

TITLE: The effect produced by the surface quality upon the performance of silicon counters of fission fragments

SOURCE: Pribery i tekhnika eksperimenta, no. 5, 1965, 85-88

TOPIC TAGS: nuclear fission, nuclear physics apparatus

ABSTRACT: After reviewing the preceding research and experiments the authors presented the results of their investigations of two lots of surface-barrier detectors. Their aim was to determine the causes of "tails" in the pulse amplitude distribution curves. On analyzing the curves showing the distribution of the fragment energies originated in the U235 fission by thermal neutrons and examining the possible causes, the authors concluded that the tail defect was caused by the presence of craters on the counter surfaces. The thickness of the entrance insensitive layer composed of gold coating, silicon oxide film and p-type layer, was about 10 microns. The microscopic examinations disclosed that the surface craters were of various shapes and sizes. The

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UDC: 539.1.074.5

L 28036-66

ACC NR: AP5027011

crater depths up to 10 microns were observed. The crater surface was schematically illustrated and two surface photos (for the first and second lots) were presented. The surfaces of detectors belonging to the second lot were improved by a special treatment. It was proven that the number of pulses in the tail section was 10 times less in the counters with improved surfaces. The distribution of fragments by mass was illustrated in a graph. The authors expressed their thanks to L. S. Bondarenko, I. A. Golosova and R. S. Nakhmanson for their assistance. Orig. art. has: 5 figures.

SUB CODE: 18 / SUEM DATE: 15July64 / ORIG REF: 002 / OTH REF: 002

Card 2/2 cc

D'YACHENKO, P.P.; KUZ'MINOV, B.D.; CHUKICHEV, M.V.

Effect of the state of the surface on the operation of
silicon counters of fission fragments. Prib. i tekhn. eksp.
10 no.5:85-88 S-O '65.

(MIRA 19:1)

1. Submitted July 15, 1964.

L 4379-66 EWT(m)/EWA(h)
ACCESSION NR: AP5020258

UR/0367/65/002/001/0092/0096

AUTHOR: D'yachenko, P. P.; Kuz'minov, B. D.; Smirnov, V. I.; Chernukhin, V. L.; Chubarov, B. I.

TITLE: Kinetic energies of fragments with various masses in the fission of U-235 by thermal and fast neutrons

SOURCE: Yadernaya fizika, vi 2, no. 1, 1965, 92-96

TOPIC TAGS: uranium, nuclear fission, fission product, fast neutron, thermal neutron

ABSTRACT: The kinetic energy distributions of fragments with various masses have been investigated in the fission of U²³⁵ by thermal neutrons and by neutrons of mean energy 720 kev, for the purpose of comparing the dependence of the total fragment kinetic energies on the fragment mass ratios at the two fissioning-neutron energies. The fission was produced in a layer of uranium enriched 90% in U²³⁵, deposited on a thin organic film, and the fragment energy was measured with two surface-barrier silicon detectors. The detector signals were analyzed after amplification by a two-dimensional 128 x 128 channel pulse-height analyzer, which sorted the pulse heights and stored all the information obtained during the measurements.

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L 4379-66

ACCESSION NR: AP5020258

The results show that the mean total kinetic energies of the fission fragments have the same value for thermal and fast neutron fission, amounting to 156 ± 2 Mev for fission into two fragments with approximately equal masses. This means that in bombardment of U^{235} by thermal neutrons and neutrons with an average energy of 720 keV, the kinetic energy of the symmetric-fission fragments is approximately 10 Mev lower than for fission by neutrons with energies above 7 Mev. "The authors thank A. I. Sergachev, A. B. Yekator, V. F. Semenov, A. N. Utyuzhnikov, A. N. Agfonov, and V. V. Kalyuzhnyy for help." Orig. art. has: 4 figures.

ASSOCIATION: None

SUBMITTED: 19Jan65

ENCL: 00

SUB CODE: NP

NR REF SOV: 003

OTHER: 004

Card 2/2

D'YACHENKO, F.P.; KUZ'MINOV, B.I.; SMIRNOV, V.I.; CHERNUSHIN, V.I.; CHUBAROV, S.I.

Kinetic energies of fragments of various masses in ^{235}U fission by
thermal and fast neutrons. IAG. fiz. 7 no.1:92-96 31 '66.
(MIRA 18:8)

D'YACHENKO, P. S., Asst., Belotserkov Agricultural Institute

"Improvement of the vaginoscopy technique in agricultural animals."

SO: Veterinariia 28(12), 1951, p. 36.

DOROSHKOV, V.B., assistant; D'YACHENKO, P.S., assistant.

~~and in the USSR for the first time.~~
Perfecting a technique of continuous irrigation of the vagina in
veterinary gynecological practice. Veterinariia 31 no.1:58-59
Ja '53. (MLBA 6:12)

Belotserkovskiy sel'skokhozyaystvennyy institut.

D'YACHENKO, P.S., assistant.

~~_____~~
Ridding cows of obstructions of the teat duct. Veterinariia 34 no.4:
69-70 Ap '57. (MLRA 10:4)

1. Belotserkovskiy sel'skokhozyaystvennyy institut.
(Udder--Diseases) (Cows--Diseases and pests)

³
DYACHENKO, P. S., Cand Vet Sci -- "Search for and comparative evaluation of certain methods of inhibiting sexual functions in young ^{h-10}~~swine~~ in their fattening period." L'vov, 1961. (Min of Agr RSFSR. L'vov Zoovet Inst) (KL, 8-61, 256)

- 399 -

ANDRIYEVSKIY, V.Ya., dotsent; D'YACHENKO, P.S., dotsent; POVSHEDNAYA, O.P.

Diagnosis of latent forms of mastitis in cows. Veterinariia
41 no.6:94-96 Je '64. (MIRA 18:6)

1. Belotserkovskiy sel'skokhozyaystvennyy institut.

L 24922-65 EWT(d)/T Ph-4 IJP(c)
ACCESSION NR: AT5001699

S/2945/64/000/017/0035/0047

AUTHOR: D'yachenko, V. F.

TITLE: Conversion of logic algorithm schemes

SOURCE: AN SSSR. Institut problem peredachi informatsii. Problemy peredachi informatsii, no. 17, 1964. Printsipy postroyeniya setey i sistem upravleniya (Principles of network construction and control systems), 35-41

TOPIC IAGS: information theory, mathematical logic, information processing, matrix algorithm scheme, logic algorithm scheme, control system

ABSTRACT: A system of conversion formulas and their identity transforms is used for converting logic algorithm schemes. This article is based on earlier work by V. F. D'yachenko, Elementy matematicheskoy logiki (Moscow, 1963) and by the author (Problemy kibernetiki, vyp. 1, Moscow, 1963). A system of axioms and rules of deduction is considered which permits identity transforms to be carried out in the schematic formulas. A logic algorithm equivalent to a matrix algorithm scheme (the same one used by Yu. I. Yanov in Problemy kibernetiki, vyp.1, Moscow, 1958, p. 122) is obtained. The algorithm for conversion from a system of schematic

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L 24922-65

ACCESSION NR: AT5001699

formulas to a logic algorithm scheme is shown schematically in an appendix (see Fig. 1 of the Enclosure), which also presents a list of operators and a list of logic variables. Orig. art. has: 1 figure and 54 formulas.

ASSOCIATION: Institut problem peredachi informatsii AN SSSR (Information transfer problems institute, AN SSSR)

SUBMITTED: 00

ENCL: 01

SUB CODE: DP, IE

OTHER: 000

OTHER: 000

Card 2/3

L 24922-65

ACCESSION NR: AT5001699

ENCLOSURE: 01

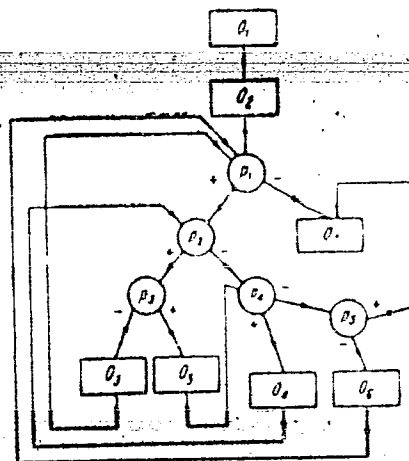


Figure 1. Algorithm for transformation of a system of schematic formulas to a logic algorithm scheme.

Card 3/3

D'YACHENKO, V.I., tekhnik

Calculation of time delay and matching according to the
selectivity of overcurrent protection systems with a limited
dependent characteristic. Energetik 11 no.8:21-24 Ag '63.
(MIRA 16:10)

SKVARIK, V.P. [Skvaryk, V.P.], kand. tekhn. nauk; D'YACHENKO, V.S.; KUCHERENKO,
A.G. [Kucherenko, A.H.]; VOLOSHIN, A.M. [VoloShyn, A.M.]; IVANOV, A.O.

Use of plastics in shoe manufacture. Lek. prom. no.3:78-81 JI-S '64.
(MIRA 17:10)

DWENICKI, Tadeusz

~~Topical treatment of chronic otitis media with penicillin in~~
oil. Otolar.polska 9 no.1:33-42 '55.

1. Z Oddzialu Otolarungologicznego. Ordynarot dr. Tadeusz
Dwernicki Szpitala Miejskiego Nr. 1 w Bytomiu. Dyrektor: dr.
Wladyslaw Kubisty.

(OTITIS MEDIA, therapy
penicillin)

(PENICILLIN, ther. use
otitis media, chronic

POLAND / Chemical Technology. Chemical Products and H-27
Their Application. Fermentation Industry.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 2734.

Author : Dwernicki, W.

Inst : Not given.

Title : The Evaluation of Brewing Qualities of Barley.

Orig Pub: Hodowla Rosl., aklimat. i nasienn., 1957, 1,
No 4, 477-487.

Abstract: A review on existing methods and discussion on
the possibilities of their application for eval-
uating Polish brewing barleys. -- Z. Fabinskiy.

Card 1/1

78

EXCERPTA MEDICA Sec 17 Vol. 2/5 Pub. Health May 56

696. DWIZKOW P. P. Odd. anat. Patol. Inst. Hig, Pracy i Chor. Zawodowych.
A.N.M.ZSRR. *Zagadnienia patogenazy krzemicy. The problem of the
pathogenesis of silicosis MED. PRACY 1955, 6/1 (45-51)
The investigations showed the role of the nervous system in the pathogenesis of
silicosis. The elimination of pulmonary receptors (by use of procaine) diminished
considerably the evolution of morbid changes of experimental silicosis in rats.
Morbid changes (fibrosis, degeneration) were discovered in pulmonary nerves and
also in the central nervous system (cortex, subcortical centres due to anoxaemia).
The nervous functions showed characteristic disturbances. The impairment of the
nervous system explains the sensitivity to secondary tb infection. The amorphous
silicon dioxide causes the same changes as the crystalline form.
Gaertner - Cracow (VI, 15, 17)

"APPROVED FOR RELEASE: 08/22/2000

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APPROVED FOR RELEASE: 08/22/2000

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D'YACHENKO, PV

PHASE I BOOK EXPLOITATION

SOV/3672

SOV/2-M-101

Leningrad. Glavnaya geofizicheskaya observatoriya imeni A.I. Voyeykova [Trudy, No. 101] Voprosy poverki meteorologicheskikh priborov (Problems in Checking the Meteorological Instruments) Leningrad, Gidrometeoizdat, 1959. 73 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agencies: USSR. Sovet Ministrov. Glavnoye upravleniye gidrometeorologicheskoy sluzhby.

Eds. (Title page): O.A. Drozdov, Doctor of Geographical Sciences; and P.V. D'yachenko, Candidate of Physical and Mathematical Sciences. Ed.: V.S. Protopopov; Tech. Ed.: N.V. Volkov.

PURPOSE: The book is intended for meteorologists and research workers in meteorology, as well as for designers and engineers working in meteorological instrument making.

COVERAGE: This publication consists of four articles dealing mainly with the problem of better methods for checking certain meteorological instruments, such as the aerodynamic telescope of the Observatory, the manual anemometers in the industrial

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Problems in Checking (Cont.)

SOV/3672

plants, the thermoelectric balance meters, etc. In addition, the book deals with the possibilities of improving the correctness and accuracy of some meteorological investigations. Bibliographic references are given at the end of each article.

TABLE OF CONTENTS:

D'yachenko, P.V. Application of Mathematical Statistical Methods to the Study of the Microstructure of Fog and Clouds 3

The article presents the results of an investigation of the ~~problem~~ of experimental determination of the size of fog and cloud particles from the point of view of statistical probability. Data presented in the article makes greater accuracy possible in studies of the microstructure of fog and clouds.

D'yachenko, P.V., and A.I. Kameneva. Results of the Investigation of the Aerodynamic Telescope of the Main Geophysical Observatory. 51

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Problems in Checking (Cont.)

SOV/3672

The article gives detailed information on the aerodynamic telescope of the Main Geophysical Observatory, which is being used as a model installation in the Hydrometeorological Service of the USSR.

Kameneva, A.I. On Checking Manual Anemometers at Industrial Plants 60

The article presents briefly the results of work which made possible serial industrial production of manual cup-shaped anemometers GOST-6376-52 of A type.

Pokrovskaya, I.A. Errors in Checking Thermoelectric Balance Meters 64

The article presents the results of work done at the Central Laboratory of the Main Geophysical Observatory in evaluating errors which occur in determining the parameters of the balance meters used in the network of stations of the Hydrometeorological Service of the USSR.

AVAILABLE: Library of Congress

Card 3/3

TM/lsh
5-26-60

D'YACHENKO, P.V.; PARNISPCHEV, V.A.

Thermostat for testing the clock mechanisms of self-recorders.

Trudy GGO no.116:53-55 '61. (MIRA 15:1)

(Thermostat) (Meteorological instruments--Testing)

MIKHAYLOV, V.V., prof., doktor tekhn.nauk; D'YACHENKO, P.Ya., inzh.;
KLIMOVA, G.D., red.izd-v. GOL'BERG, T.M., tekhn.red.

[Provisional instructions on the use of electric heating in stretching high resistance wire by stationary coiling machines]
Vremennaya instruktsiya po primeneniю elektronagreva pri natiszhenii vysokoprochnoi provoloki statsionarnymi namotochnymi mashinami. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1960. 21 p. (MIRA 13:9)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona. 2. Daystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Mikhaylov).
(Reinforcing bars) (Electric heating)

D'YACHENKO, P.V.

Cause of ambiguous readings of the hair hygrometer. Trudy GGU
no.116:3-11 '61. (MIRA 15:1)
(Hygrometry)

D'YACHENKO, F.V.; SUSHCHINSKIY, B.I.

Semiautomatic hygrometer. Trudy GGO no.116:12-29 '61.
(MIRA 15:1)
(Hygrometry) (Calibration)

D'YACHENKO, P.V.; KAMENEVA, A.I.

Apparatus for calibrating the ASO-3 ventilation anemometers. Trudy
GGO no.116:41-46 '61. (MIRA 15:1)
(Anemometer) (Calibration)

D'YACHENKO, P.V.; PARNISHCHEV, V.A.

Apparatus for calibrating thermographs. Trudy GGO no.116:47-52
'61. (MIRA 15:1)
(Thermometers) (Calibration)

D'YACHENKO, P.V.

Wear-resistant pivots of anemometers. Trudy GGO no.116:56-58 '61.
(MIRA 15:1)
(Anemometer)

D'YACHENKO, P.V.

Ribbons for heliographs. Trudy GGO no.116:59-60 '61. (MIRA 15:1)
(Heliograph)

D'YACHENKO, P.V.

Method and apparatus for determining correction factors accounting
for the effect of wind on the readings of thermoelectric balance
meters. Trudy GGO no.116:61-75 '61. (MIRA 15:1)
(Actinometer)

D'YACHENKO, P.V.; KAMENEVA, A.I.

Low-speed wind tunnel. Trudy GGO no.116:30-40 '61. (MIRA 15:1)
(Wind tunnels)

LEVI, S.S., kand. tekhn.nauk; RATNER, N.A., inzh.; KOPLEVICH, L.Kh.,
inzh.; MADATYAN, S.A., inzh.; DOROFYEV, A.K., inzh.
D'YACHENKO, P.Ya., inzh.; KLIMOVA, G.D., red. izd-va;
MOCHALINA, Z.S., tekhn. red.

[Instructions N9-61 on reinforcing techniques in industrial
and public construction] Ukazaniia po tekhnologii proizvodstva
armaturnykh rabot v promyshlennom i grazhdanskom stroitel'stve
(N9-61). Moskva, Gostroiizdat, 1962. 319 p. (MIRA 15:7)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut orga-
nizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Concrete reinforcement) (Precast concrete)

D'YACHENKO, P.I., inzh.; D'YACHENKO, V.T., inzh.

Study of methods of controlling the heating of wire and strands
as they are wound by reinforcement-winding machines with
electromechanical tensioning. Trudy NIIZHB no.27:49-~~47~~
'62. (MIRA 15:9)
(Concrete reinforcement) (Prestressed concrete)

D'YACHENKO, Petr Yakovlevich; MIROTVORSKIY, Sergey Aleksandrovich;
YERUKHIMOVICH, P.L., nauchnyy red.; FEDOROVA, T.N., red.izd-va;
GLIZAROVA, I.L., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Prefabrication of precast reinforced concrete] Zavodskoe izgotovlenie sbornogo zhelezobetona. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1960. 281 p.

(MIRA 13:12)

(Precast concrete)

YEGOROV, V.A.; D'YACHENKO, P.Ye., doktor tekhn. nauk, retsenzent;
BARANOVA, Z.S., inzh., red.

[Optical instruments and feeler gauges for measuring the
roughness of surfaces] Opticheskie i shchupovye pribory
dlia izmereniia sherokhovatosti poverkhnosti. Izd.2., ispr.
i dop. Moskva, Mashinostroenie, 1965. 222 p.

(MIRA 18:3)

DYACHENKO, P., gvardii podpolkovnik

In tank radio stations. Voen. vest. 41 no.9:69-70 S '61.
(MIRA 15:1)
(Radio, Military--Study and teaching)

D'YACHENKO, P.

23394 Vliyaniye belkov na stoykost' slivochnogo masla. Moloch.
Prom-st', 1941, No. 7, c. 17-20.

SO: LETOPIS NO. 31, 1949

D. YACHENKO, P. E.

Obobshchennaya otsenka makro-mikrogeometrii poverkhnosti. Moskva, Oborongiz,
1942. 4 p. (TSIAM, Trudy, no. 42)

Title tr.: General evaluation of the surface macro-microgeometry.

TL701.A1M72 no. 42

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress
1955.

D.YACHENKO, P.YE.

Obobshchennaia otsenka makro-mikrogeometrii poverkhnosti. Moskva Oborongiz, 1942. 4 p.

TSentral'nyi nauchno-issledovatel'skii institut aviatsionnogo motorostroenia im. P.I. Baranova. Trudy. No. 42.

General evaluation of the surface macro-microgeometry.

DLC: Unclass.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

D.YACHENKO, P.A.

Kriterii otsenki mikrogeometrii poverkhnosti. Moskva, 1942. 103,(1) p.
illus., diags. (1 fold.)

At head of title: Akademiia nauk Soiuza SSR. Institut mashinovedeniia.

Bibliography: p. 98-(104)

Criteria of the surface microgeometry.

WaU

DLC: TA407.D5

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

D. VACHENKO, P. E.

Kachestvo poverkhnosti detalei aviatsionnogo motora. Moskva, 1946. 71 p.
diags., tables.

At head of title: Akademiia nauk Soiuza SSR. Institut mashinovedeniia.

S Surface quality of the elements of an aircraft engine.

DLC: TL701.1.D5

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

D'YACHENKO, P. Ye.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 700 - I

BOOK

Call No.: AF 337338

Author: D'YACHENKO, P. YE.

Full Title: SURFACE QUALITY OF AIRCRAFT ENGINE PARTS

Transliterated Title: Kachestvo poverkhnosti detaley
aviatsionnogo motora

PUBLISHING DATA

Originating Agency: Institute of Machine Design of the Academy of
Sciences of the USSR

Publishing House: Publishing House of the Academy of Sciences of
the USSR

Date: 1946 No. pp.: 72 No. of copies: 3,000

Editorial Staff

Editor in Chief: Khrushchov, M. M., Prof.

PURPOSE: This study is written for engineers specializing in engine
construction.

TEXT DATA

Coverage: In this study the author furnishes and analyses technical
data for the establishment of standards of finish for various
engine parts. In particular the following problems are discussed:
1) evaluation of the microgeometric structure of the surface finish,

1/2

AID 700 - I

Kachestvo poverkhnosti detaley aviatsionnogo motora

2) surface quality of aircraft engine components, 3) hardening of machined surfaces, 4) resistance to wear of surfaces of various grades of finish, 5) proper direction of strokes or traces of machining, 6) problems of standards for surface finishing of various engine parts. Graphs, diagrams, tables.
No. of References: Total 13, Russian 3, 1929-1943, other 10, 1931-1942.

Facilities: Several well-known research institutes are mentioned in the text.

2/2

DIYACHENKO, P. V.

Kachestvo poverkhnosti detalei aviatsionnogo motora. Moskva, Izd-vo Akademii Nauk SSSR, 1946. 71 p., diags., tables.

Title tr.: Surface characteristics of aviation engine parts.

TL701.1.D5

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress 1955.

[illegible]

D'YACHENKO, P. Ye.

Quantity relation among the characteristics in estimating the microgeometry of a surface.

Vest. inzh. i tekhn. no. 3, 1948.

SO: MLRA, April 1952.

D. YACHENKO, P. E.

Zadachi v oblasti izucheniia kachestva poverkhnosti detalei mashin.
Vestn. Mash., 1948, no.8, p. 19-24

Problems in the study of the surface quality of machine parts.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p>B</p> <p>5</p> <p>Permissible Limits and Measurement of the Roughness of Machined Surfaces. P. E. Dyachenko. <i>Engineers' Digest</i> (American Edition), v. 5, Oct. 1948, p. 385-387. Translated and condensed from <i>Stanki i Instrument</i> (Machine Tools and Instruments), no. 9, 1947, p. 17-20.</p> <p>Experiments have shown that the measured surface roughness of machined metal is usually rather different from that which may be expected from calculations based on the shape of the tool used for machining. A graph shows the measure of irregularity as a function of the cutting speed and the feed. Diagrams show the limits of the various ranges in which the roughness characteristics differ from each other. Calculated formulas for determining the measure of roughness are also given.</p>																			
<p>ASB-31A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>REGION 1 DIVISION</p>										<p>REGION 2 DIVISION</p>									
<p>SECTION 1</p>										<p>SECTION 2</p>									
<p>SUBSECTION 1</p>										<p>SUBSECTION 2</p>									

PA 11/49T27

USSR/Engineering
Surfaces - Quality

Aug 48

"Tasks in the Field of Studying the Quality of
Machine-Parts Surfaces," P. Ye. D'yachenko, Dr Tech
Sci, 6 pp

"Vest Mashinostroy" No 8

International Standards Organization has asked USSR to
work out standards for machine-parts surfaces.
Describes mechanical and optical gaging methods.
Discusses relation between surface finish and
durability. Mentions institutes in which research
is being done.

14/49T27

D'YACHENKO, P. E.

PA 37/49T52

USSR/Engineering
Surfaces - Quality
*Profilometer

Sep 48

"The Practice of Taking Impressions for Determining
the Microgeometry of a Surface," P. E. D'yachenko,
Dr Tech Sci, $\frac{1}{2}$ p

"Stanki 1 Instrument" No 9

Gives practical directions to determine smoothness
of machined surface by taking celluloid impression,
and using profilometer.

37/49T52

D'YACHENKO P. YE.

PA 21/49T37

USSR/Engineering
Surfaces - Quality
Profilometer

Oct 48

"Modern Gauges for Quantitative Evaluation of Surface Roughness," P. Ye. D'yachenko, Inst Mach Studies, Acad Sci USSR, 6½ pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 10

Discusses relative merits of four gauges: Ambron's profilograph (USSR), Levin's profilograph (USSR), Abbot's profilometer (US), and Brash's profilograph (US). Includes one table, and six diagrams.

21/49T37

D'YACHENKO, P. Ye., Prof.

PA 37/49T73

USSR/Engineering
Machines, Surfacing
Machinery

Sep 48

"Second Scientific Technical Session on the Surface
Quality of Machine Parts," Prof P. Ye. D'yachenko,
Dr Tech Sci, 3/4 p

"Vest Mashinostroy" Vol XXVIII, No 9

Session was held in Apr 48 at Inst of Mach Studies,
Acad Sci USSR. It reviewed the work of industry and
the research organizations during last 3 years on
quality of machine-part surfaces. Summarizes results
of session.

37/49T73

D. YACHENKO, P. YE.

Issledovanie zavisimosti mikrogeometrii poverkhnosti ot uslovii mikhanicheskoi obrebotki. Moskva, 1949. 124 p. illus.

At head of title: Akademiia nauk SSSR. Institut mashinovedeniia.

Relation of surface microgeometry to machining factors.

DLC: TA407.D48

SO: Manufacturing and MEchanical Engineering in the Soviet Union, Library of Congress, 1953.

D.YACHENKO, P.E.

Issledovanie zabisimosti mikrogeometrii poverkhnosti ot uslovii mekhanicheskoi obrabotki. Moskva, Izd-vo Akademii Nauk SSSR, 1949. 124 p., illus.

Title tr.: Investigation of the relationship of the microgeometry of surface and its machining characteristics.

TA407.D48

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

D'YACHENKO, P. Ye.

"Methods for Determining the Depth and Degree of Adhesion of Metal," Vestnik tekhnicheskoy informatsiy Ministerstva stankostroyeniya SSSR, No. 2, 1949.

"Studies of the Relationship of the Microgeometry of Surfaces to Conditions of Machining." Acad. Sci. USSR, Institute of Machine Studies, 1949, 127 pp.

"Effect of the Microgeometry of Cutters on the Purity of a Machined Surface."
"Examination of the Purity of the Surface of Cutting Instruments." Symposium,
Surface Purity of Cutting Instruments, Central Bureau of Technical Information,
1949.

D. YACHENKO, P/E.

O bor'be s iznosom mashin. (Vestn. Mash., 1950, no. 7, p.29-31)

Measures against the wear of machines.

SIC: TND, VH

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

16

Measurement of Waviness of Finished Surfaces. (In Russian.) P. E. D'yachenko and V. Z. Vainshtein. *Stanki i Instrument* (Machine Tools and Equipment), v. 21, Jan. 1950, p. 15-16.

Briefly studies the above, defining waviness as regular, repetitive irregularity of the surface caused by nonuniformity of the cutting process. Special modifications of ordinary profilometers to measure waviness of surfaces are described. "Wavograms" obtained experimentally illustrate the article.

100 AND 414 CROOKS

117 AND 210 CROOKS

PROCESSING AND PROPERTY INDEX

5

B

Sharpness of Cutting Tool Edges and Quality of the Surface. (In Russian.) P. E. Dyachenko. *Stanki i Instrument* (Machine Tools and Equipment), v. 21, Feb. 1950, p. 19-20.

Influence of sharpness (radius of curvature) of the cutting edge on character of the finished surface, roughness, degree of stress hardening, and depth of such hardening was investigated. Influence of crystal structure of the steel being cut (sorbite, pearlite, etc.) on the machined surface is also indicated. Experimental data are charted and tabulated.

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

LEGEND SYMBOLS

117 AND 210 CROOKS

100 AND 414 CROOKS

Surface Quality in Broaching. P. E. D'yachenko and A. P. Dobrykhina. (*Stanki i Instrumenty*, 1950, No. 3, 12-14). [In Russian]. The factors influencing the quality of a surface produced by broaching are considered. The distribution of plastic deformation during the broaching of a specimen of normalized steel is illustrated and graphs are given showing the dependence of surface roughness on cutting conditions for this specimen, as well as for those with lamellar pearlitic, granular pearlitic, and sorbitic structures, respectively.—S. K.

[illegible]

D'YACHENKO, P. Ye. professor.

Preface. Trudy Sem. po kach. poverkh. no.1:3-4 '51. (MLBA 10:8)
(Surfaces (Technology))

D'YACHENKO, P.Ye.

Method for determining the depth of hardened layer of metals.
without cutting pieces. Trudy Sem. po kach. poverkh. no.1:5-
16 '51. (MLRA 10:8)

(Metallography)

D.YACHENKO, P.E. and M.O. IAKOBSON.

Kachestvo poverkhnosti pri obrabotke metallov rezaniem. Moskva, Mashgiz,
1951. 208 p.

Surface quality during metal-cutting..

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

D'YACHENKO, P. Ye.

184751

USSR/Engineering - Machines, Testing Jan 51

"Some Results of Investigating the Surface Quality of Machine Parts," P. Ye. D'yachenko, Inst Mach Studies, Acad Sci USSR

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 1, pp 22-28

D'yachenko briefly reviews his previous works: modern instrs for measuring surface irregularity of mach parts, surface quality of aircraft-eng parts, influence of roughness on wear, influence of mech working on surface microgeom, methods for evaluating surface fineness. Shows dependence of surface quality on cutting speed and feed in

184751

USSR/Engineering - Machines, Testing Jan 51
(Contd)

several diagrams. Submitted by Acad Ye. A. Chudakov.

184751

D'YACHENKO, P. YE., FRCF., DOBYCHINA, A. P.

Turning

Residual stresses in high velocity lathe-turnings. Vest. mash. 31, No. 10, 1951.

9. Monthly List of Russian Accessions, Library of Congress, September, 1952, ~~1953~~ 1953. Unclassified.

DJATSCHENKO, P. Ye; W. O. JAKOBSON

Die Beschaffenheit Der Oberflache Bei Der Zerspanung Von Metallen
(Von) P. Djatschenko Und.. Berlin, Verlag Technik, 1952.

243 p. Illus., Diagr., Tables.

Added T.-P. in Russian.

Also available cataloged as N/5
615.8
.D5.

So: Mic

C-34977

D'YACHENKO, P. Ya.

"Adoption of Kovlev's method at the reinforcement shop of the Construction Parts Plant No. 5," Biul. stroi. tekhn. 9, No. 6, 1952. (Zavod Stroydetal' No. 5)

MLRA, Aug 52

D'YACHENKO, P.Ye., professor.

Preface. Trudy Sem.po kach.poverkh.2:3-4 '53.

(MLRA 7:2)

(Surfaces(Technology))

D'YACHENKO, P.Ye.; VAYNSHTEYN, V.E.

Waviness of steel surfaces and its effect on the wear of bearing
materials. Trudy Sem.po kach.poverkh.2:5-27 '53. (MIRA 7:2)
(Surfaces (Technology)) (Bearings (Machinery))

D'YACHENKO, P.Ye., doktor tekhnicheskikh nauk.

Priority of Russian scientists in designing instruments for determining
the degree of roughness of surfaces. Izv.AN SSSR Otd.tekh.nauk no.4:
623-624 Ap '53. (MLRA 6:8)
(Interferometer) (Surfaces (Technology))

1. D'YACHENKO, P. YE.; YAKOBSON, M. O.; STIGNEYEV, YA. F.; PUZANKOV, V. V.
2. USSR (600)
4. M. O. Yakobson
7. Surface quality in machining of metals by means of cutting, review of P. YE. D'yachenko, M. O. Yakobson, YA. F. Stigneyev, and V. V. Puzankov, Avt. trakt. prom., no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

D'YACHENKO, P.E., professor; SLINKO, B.L., kandidat tekhnicheskikh nauk.

Atoms and machines. Znan. sila no.5:1-3 My '53.

(MLRA 6:6)

(Machinery--Maintenance and repair)

D'YACHENKO, P.Ye.; SMUSHKOVA, T.V.

Effect of the direction of machining treatment marks on the lead
bronze wearability. Tren.i izn.mash. no.7:56-71 '53. (MLRA 9:9)
(Mechanical wear) (Lead bronze)

1. D'YACHENKO, P. Ye.
2. USSR (600)
4. Metals - Finishing
7. Making working models for smooth surface finish, Stan. i instr. 24 No. 4, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April, 1953. Uncl.

USSR/Engineering - Gages

Card 1/1

Author : D'yachenko, P. E.

Title : About the manufacture of surface gages

Periodical : Stan. i Instr. 24/4, 37, April 1953

Abstract : The author finds that many factories produce gages for evaluating perfection of surface without the use of special tools. There is no uniform system for preparing such gages and the author recommends that one be established.

Institution :

Submitted :

D'YACHENKO, P.Ye., professor, doktor tekhnicheskikh nauk, redaktor; DANILOV,
I.Ya., redaktor; MEL'NIKOVA, Ye.I., tekhnicheskiy redaktor

[Properties of metallic surfaces; collection of abridged translations]
Svoistva metallicheskih poverkhnostei; sbornik sokrashchennykh pere-
vodov. Moskva, Izd-vo inostrannoi lit-ry, 1954. 303 p. (MLRA 8:4)
(Surfaces (Technology)) (Metals---Finishing)

7750

METHODS OF STUDY AND CONTROL OF MACHINE WEAR
BY MEANS OF RADIOACTIVE ISOTOPES. P. E. Dyachenko.
Akademiya Nauk S.S.S.R., 1954. (In Russian) (Book on
display at Geneva Conference)

Experience of Soviet research institutes and industrial plants in the use of radioactive isotopes for the investigation of the wear of machine parts. The superiority of the radioactive isotope method over other methods in wear estimation (weighing, micrometric measuring, prints etc.). Analysis of the applicability of radioactive isotopes for wear estimation; description of the apparatus required for such investigations, the principles of selecting the radioactive substances, and calculation of the activity of the isotopes used. Methods of activating friction surfaces (electrolytic coating with radioactive layer, introduction of radioactive isotopes into the parts during casting, introduction of wear witnesses by the insert method irradiation, diffusion and electric spark treatment methods). Method of simultaneous measurement of the wear of several parts with radiations of different types or of the same type but different energies. Safety rules; instructions for equipping laboratories for work with radioactive isotopes; application of radioactive isotopes in cutting down machine wear.
(Publisher's note)

3
IRML

RMX

D'YACHENKO, P. Ye.

TJ1160.A34

TREASURE ISLAND BOOK REVIEW

AID 856 - S

D'YACHENKO, P. YE., B. L. SLINKO, and A. A. YEMELIN

PRIMENENIYE RADIOAKTIVNYKH IZOTOPOV DLYA OTSENKI IZNOSA DETALEY MASHIN (The Use of Radioactive Isotopes for Determination of the Wearability of Machine Parts). In Akademiya Nauk SSSR. Peredovoy opyt novatorov mashinostroyeniya (Progressive Experience of Leading Men in the Machine-Building Industry) 1954. Part I: Skorostnyye metody mekhanicheskoy obrabotki metallov (High-Speed Methods in Machining of Metals). p, 87-102.

The authors describe in detail the use of radioactive isotopes and the Geiger counter for determination deterioration of parts of a machine in operation. The selection of proper isotopes, the methods of their introduction into the part to be examined, the processes of analysis and the method of calculation of the part's wearability are described. The authors outline numerous advantages of the method, and make several recommendations for further development. Nine drawings, diagrams and 1 table.

1/1

Resistance to Wear and Tear; Strength; etc.

USSR/Engineering - Metals testing

Card 1/1 : Pub. 128 - 2/38

Authors : Dyachenko, P. E.

Title : ~~Wear of machine components~~
Contribution to the problem of applying radioactive isotopes to the study of wear in machine components

Periodical : Vest. mash. 9, 9-14, Sep 1954

Abstract : The wear in machine components was studied by rendering small surface areas, subject to wear, radioactive. The wear of the radioactive region was then judged by counting the active particles removed in the process by lubrication. Radioactivity in melts was introduced by treatment in a cyclotron, electro-plating, probe inserts, diffusion, or electric spark treatment. Problems discussed include effect of sliding speed on wear, wear measurement, and the optimum roughness for bearing surfaces. Graphs; drawing.

Institution :

Submitted :

✓ Study of Wear at Elevated Temperatures under Conditions of Dry Friction. P. E. D'yachenko, O. E. Keatner, and L. A. Chatynyan (*Izv. Akad. Nauk S.S.S.R., 1954, (Tekhn.), (11), 44-52*).—[In Russian]. The wear and coeff. of friction of metals and alloys (cast Cu, Ni, steel 30 KhGSA, Al-Fe-Ni bronze, Cr bronze, Sb bronze, and a Ni alloy) were studied in relation to load, duration of test, and temp. of the surroundings. The changes in surface structure were also studied and the microhardness of the specimens determined. The tests were carried out in a special apparatus in which 3 specimens from the same material placed at an angle of 120° to each other were pressed against a rotating disc of the steel 30 KhGSA. The disc and the specimens tested were enclosed in a furnace which could be heated to 800°C . Pressure exerted on the specimens varied from 0.5 to 60 kg./cm.², and the peripheral velocity from 0.3 to 60 m./sec. The change of the friction coeff. during the experiment was measured with a damped dynamometer. An alloy based on Ni showed the lowest friction coeff. and losses due to wear at all loads and temp., and the usual antifriction alloys were found to be quite unsuitable for work in dry conditions below 200°C . Wear-resistance and low coeff. of friction in dry conditions at high temp. were found in metals and alloys which were able to form on the working surface a thin and compact film consisting most probably of oxides. The thickness and properties of this film depended on the compn. of the alloy, and hence it should be possible to obtain films of optimum resistance by suitable choice of alloying elements.

—S. K. L.

(2)

D'YACHENKO, P. Ye., professor, doktor tekhnicheskikh nauk

Use of radioactive isotopes for the study of machine-parts wear.
[Izd.] LONITOMASH no.34:41-57 '54. (MLRA 8:10)

[Izd.] LONITOMASH no.34:41-57 '54.

(MLRA 8:10)

1. Institut mashinovedeniya Akademii nauk SSSR.
(Surfaces (Technology))

(Surfaces (Technology))

DYACHENKO, P. E.

USSR/Engineering - Cold working of steel

Card : 1/1 Pub. 128 - 12/32

Authors : Dyachenko, P. E. and Podosenova, N. A.

Title : Cold working and the residual stresses in steel during boring

Periodical : Vest. mash. 34/7, 45 - 47, July 1954

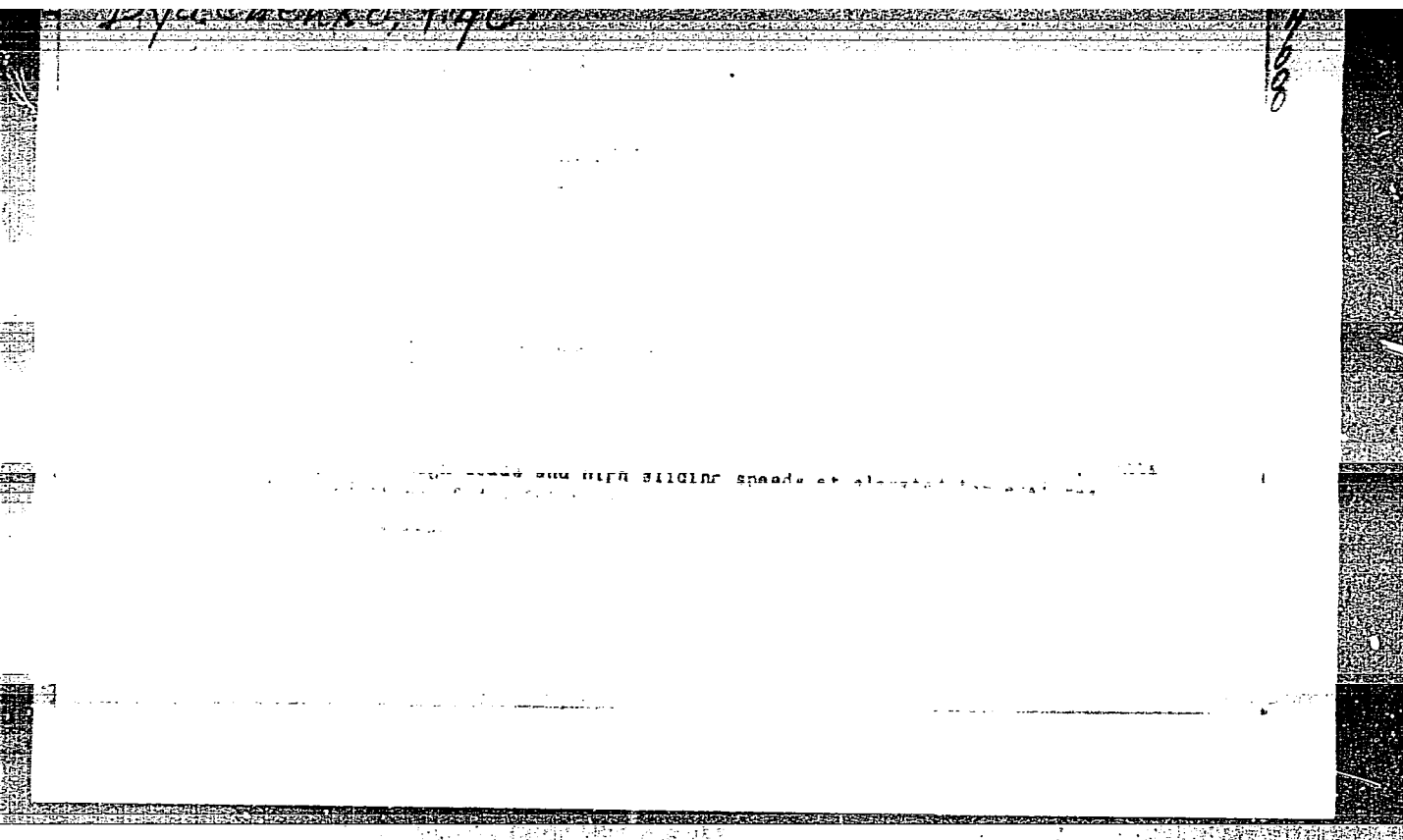
Abstract : Cold working of construction steels (mark 30KhGS, and 20), and the residual stresses in steel during boring, were analyzed. The tests were performed at cutting speeds of 5 to 500 m/min, and at various transverse feeds. Diagrams.

Institution : ...

Submitted : ...

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000411710008-9



APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000411710008-9"

D'YACHENKO, P.Ye., doktor tekhnicheskikh nauk.

International conference on the microgeometry of surfaces held in
Leningrad. Vest. AN SSSR 25 no.2:78-80 F '55. (MIRA 8:4)
(Leningrad--Surfaces (Technology)--Congresses)

DYACHENKO, P. E.

2666* Radioactive Isotopes in Technology. Radioaktivnye izotopy v tekhnike. (Russian.) P. E. Dyachenko. Vestnik akademii nauk SSSR, v. 23, no. 10, Oct. 1935, p. 39-47. Application of isotopes in metallurgy, machine construction, wear of machine parts, corrosion, machining, nondestructive tests, bio-chemistry, and soil science. NU

D'YACHENKO, P.Ye.

Means for hardening the cutting edges of tools. Stan. 1 instr.
26 no.9:19-20 S '55. (MIRA 9:1)
(Cutting tools)

9721 Effect of Residual Stresses in Surface of Metals
From "The Residual Stresses"

2

- 14210* Application of Radioactive Indicators for Evaluating the Wear of Piston Rings. *Primenenie radioaktivnykh indikatorov dlia otsenki iznosa porshneвого kol'ca*, (Russian.) P. E. D'achenko and A. I. Nisnevich. *Vestnik Mashinostroyeniia*, v. 35, no. 7, July 1955, p. 19-22.
62. Determination of dependence of wear on effective pressure and effective power of the engine by radioactive tracers. Diagrams, tables, graphs. 6 ref.